

Joint STARS
Future Support
(FS)
Technical Requirement Document

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1 SCOPE

This document defines the Contractor requirements for Joint STARS Future Support (FS). The objective of FS is to integrate development, production and support activities to improve overall system Availability, Training and Cost performance.

2 TERMS/DEFINITIONS

2.1 ACRONYMS

Appendix A provides a listing of acronyms pertinent to FS .

2.2 DEFINITIONS

Appendix B contains a listing of definitions pertinent to FS .

2.3 APPLICABLE DOCUMENTS

Appendix C provides a listing of the applicable documents.

3 REQUIREMENTS

Contractor efforts for TSSR are partitioned into the following four (4) major areas:

- System Management (3.1)
- System Sustainment (3.2)
- Training (3.3)
- Modification & Retrofit Efforts (3.4)

3.1 SYSTEM MANAGEMENT

3.1.1 Integration/Program Management

3.1.1.1 Project Management

Manage and coordinate the tasks and products defined herein. Support program reviews and reporting requirements such as, Executive Management Reviews, Requirements Review Boards, System Support Reviews, Senior Executive Management Reports, etc.

3.1.1.1.1 Joint STARS Senior Executive Management Report (SEMR)

Complete the SEMR as required and maintain current software configuration. Understand the SEMR's impact on overall Air Force structure.

3.1.1.1.2 Joint STARS System IMS

Maintain the Joint STARS System IMS for schedule related planning and analysis.

3.1.1.1.3 FS IMP/IMS

Develop and maintain a FS Integrated Master Plan/Integrated Master Schedule (IMP/IMS), aligned with the Joint STARS System IMS, that provides information on the planning and execution of the efforts defined herein. In executing this function, give consideration to the interface between production, sustainment, and modification activities as they affect Availability, Training, & Cost.

3.1.1.1.3.1 Retrofit Planning

Perform retrofit planning for all Joint STARS system changes. Provide change management and coordinate production, sustainment and modification activities, to improve Availability, Training and Cost.

3.1.1.1.3.2 System Improvement Planning

Assess proposed changes in requirements identified in the execution of this contract and assess the incorporation of these with respect to the efforts defined in the Joint STARS System IMS to identify cost-effective implementation paths for incorporation of these changes.

3.1.1.2 Joint STARS Integrated Release (JSIR)

Develop an integrated release approach for Joint STARS system changes with the objective of providing the warfighter a coordinated periodic release (nominally annual) of needed system changes (hardware, software, courseware, process, documentation, TPSs, etc.) throughout the Joint STARS assets, functions and processes.

3.1.1.3 Cost

Implement and maintain an Earned Value Management System.

3.1.1.4 Data

Use an electronic document management system for submission/transmittal and maintain an associated electronic data repository accessible to the government.

3.1.1.5 Core Compliance

Execute partnering agreements with the Government for existing and future core determinations. Support the transition of existing and future core workload to the government. Assist the government in maintaining workload requirement ratios (government vs contractor) as directed by law or the USAF.

3.1.2 System Cost-Performance Modeling

Develop and maintain a Joint STARS System Cost-Performance Modeling capability that supports sustainment cost/performance trade-offs, system change analyses, future year Operations and Support (O&S) planning and various budget adjustments/"what if" exercises.

3.1.2.1 Reduced Total Ownership Cost (RTOC)

Implement cost reduction initiatives to meet thresholds and objectives during the conduct of FS in accordance with contract requirements.

3.1.3 System Engineering

Provides System Engineering support to the Joint STARS Program as defined in the following paragraphs.

3.1.3.1 Configuration Management

Perform configuration management of the Joint STARS System. Support user cost reduction initiatives submitted through the GoldFlag and IDEA programs as well as the technical order change process.

3.1.3.2 Requirement Management

Perform requirement management activities necessary for sustainment of the Joint STARS system. Requirements management includes those activities necessary for the selection and implementation of changes into the baseline system.

3.1.3.3 Interface Management

Identify potential interface compatibility problems between the Joint STARS system and external interfacing systems.

3.1.3.4 Reliability, Maintainability and Availability (RMA)

Perform RMA analyses and make recommendations for sustaining and improving the Joint STARS system in accordance with contract requirements.

3.1.3.5 Diminishing Manufacturing Sources (DMS) Management

Develop and manage a Joint STARS system DMS program to identify and avert DMS problems in accordance with contract requirements.

3.1.3.7 Pre-Planned Product Improvement (P3I)

Perform analyses and make recommendations to address cyclic upgrades and technical refreshment of the Joint STARS system.

3.1.3.8 Engineering Support

Provide engineering analyses and develop disposition recommendations in response to requests for engineering support. Make provisions for in-flight emergency support.

3.1.3.9 Operational Safety, Suitability and Effectiveness (OSS&E)

Support and implement a Joint STARS OSS&E program. Comply with applicable safety requirements.

3.1.4 Quality

Maintain an ISO 9001 Quality program or equivalent.

3.1.5 Security

Provide security management and oversight of classified material in accordance with the Joint STARS Security Classification Guide and applicable DD Form 254. Provide security for the E-8 IAW AFI 31-101 at the contractor facility.

3.2 SYSTEM SUSTAINMENT

3.2.1 Product Support Management

Integrate all sustainment activities, using budgetary resources provided, to maximize system performance.

3.2.1.1 Product Support Effectiveness

Perform cost-effective supply management to include processes to determine appropriate customer sparing levels and to expedite spares and repairs to meet JSTARS performance standards. Integral to these processes is a continuous assessment of customer needed spares and repairs availability, quality, and response time, from government and commercial sources, to deliver best value in meeting Future Support performance standards.

3.2.1.2 Wing-Level Supply Interface

Perform supply management as a flexible, cost-effective, transparent-to-the-user process to deliver retail supplies to the 93 ACW via a Standard Base Supply System interface, such that the means behind delivering this to Wing-level interface are inconsequential to the warfighter,

3.2.1.3 Transition of Spares

Anticipate the transfer of "on order" initial spares and the decapitalization of JOINT STARS unique spares as specified in the transition plan.

3.2.1.4 Initial Spares Funding

The funding for initial spares for aircraft modifications and production changes will be the responsibility of the agency funding the modification.

3.2.1.5 Common Item Support

Establish Service Level Agreements with the appropriate government organizations to integrate common item support.

3.2.2 Operational Aircraft Support

Provide Programmed Depot Maintenance (PDM) in accordance with the Aircraft PDM Work Document. Maintain aircraft and maintenance documentation for work performed by the Contractor. Make provisions for Contractor Field Team support. Execute maintenance acceleration and compression as directed by the government.

3.2.3 Inflight Trainer (IFT) Aircraft Support

Provide Organizational and Depot maintenance of the IFT as defined in the IFT Work Document. Maintain trainer aircraft and maintenance documentation.

3.2.4 Aircraft Maintenance Trainer (AMT) Support

Maintain the AMT as defined in the AMT Work Document. Maintain AMT documentation for work performed by the Contractor.

3.2.5 Aircraft Structural Integrity Program (ASIP)

Support the ASIP program.

3.2.6 Technical Data

3.2.6.1 Flight Manuals and Positional Handbooks

Manage, update, and provide publication and distribution for the Joint STARS Flight Manuals. Manage, update, and provide publication and distribution for the positional handbooks. The Government retains final authority for publication changes.

3.2.6.2 Joint STARS Integrated Maintenance Information System (JIMIS)

Manage, update and deliver the JIMIS Technical Maintenance Database and the JIMIS software Presentation CSCI baseline, to include associated COTS licenses and sustainment of the computer infrastructure and JIMIS computer PMAs. TMD updates made in accordance with TO 00-5-1 and TO 00-5-3.

3.2.6.3 Engineering Data

Provide a repository of drawings and engineering data. Data will be available to the Government. Prepare new engineering data in Joint Engineering Data Management Information and Control System format.

3.2.6.3 Time Compliance Technical Orders (TCTOs)

Support TCTOs as required by the Government.

3.2.7 Field Service Representatives

Provide personnel for system maintenance support at Main Operating Base and deployed operations. System maintenance support includes:

- 1) FAA licensed technical and maintenance support of the aircraft subsystems;
- 2) Joint STARS Prime Mission Equipment (PME) technical and maintenance support; and, assistance in resolving software anomalies, evaluating proposed changes, and providing recommendations to resolve software problems.

3.2.8 Software

Maintain Joint STARS software. Support interoperability certification of operational flight program releases.

3.2.9 Ground Support System Sustainment

Maintain the Ground Support System hardware and software.

3.3 Training

Manage and facilitate the efforts of training services and training systems support providers serving as the focal point for interface among responsible parties.

3.3.1 Training Support

Maintain a training function at the Contractor facility capable of designing, developing and presenting Joint STARS training sessions as approved by ACC.

3.3.2 Flight Crew Training

3.3.2.1 Academic Instruction

Conduct Flight Crew Academic instruction as approved by ACC.

3.3.2.2 Training Device Instruction

Conduct Flight Crew training device instruction as approved by ACC.

3.3.2.3 Courseware Maintenance

Develop, review, and revise Flight Crew training courseware materials to support academic and training device instruction.

3.3.2.4 Flight Crew Training System (FCTS) Maintenance

Maintain the FCTS at the contract specified level.

3.3.2.5 Flight Crew Training System Support Center (TSSC) Operation

Operate the Flight TSSC.

3.3.3 Mission Crew Training

3.3.3.1 Academic Instruction

Conduct Mission Crew Academic instruction as approved by ACC.

3.3.3.2 Training Device Instruction

Conduct Mission Crew training device instruction as approved by ACC.

3.3.3.3 Courseware Maintenance

Develop, review, and revise Mission Crew training courseware materials to support academic and training devices.

3.3.3.4 Mission Crew Training System (MCTS) Maintenance

Maintain the MCTS at the contract-specified level.

3.3.4 Maintenance Training

3.3.4.1 Prime Mission Equipment Maintenance Training Set (PME-MTS) Maintenance

Maintain the PME-MTS and Maintenance Training System Support Center (TSSC) at the contract specified level.

3.3.4.2 Maintenance Training System Support Center (TSSC) Operation

Operate the Maintenance TSSC.

3.3.5 Transportable Mission Support System (TMSS) Training

3.3.5.1 Academic Instruction

Conduct TMSS Academic instruction as approved by ACC.

3.3.5.2 Training Device Instruction

Conduct TMSS training device instruction as approved by ACC.

3.3.5.3 Courseware Maintenance

Develop, review, and revise TMSS training courseware materials to support academic and training devices.

3.4 Modification & Retrofit Efforts

In addition to the efforts defined in the preceding sections, the Government may authorize other efforts to be performed via separate delivery orders.